

20001220.qrp v02_n042.qrl.20001220

Date: Wed, 20 Dec 2000 19:03:08 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2042

QRP-L Digest 2042

Topics covered in this issue include:

- 1) [86752] [RE]Length of 40 Metre Beverage
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 2) [86753] HTX-10 for trade
by Casey Ray <clray@usc.edu>
- 3) [86754] Fw: Length of 40 Metre Beverage?
by "Walt Amos" <k8cv@netzero.net>
- 4) [86755] Re: 7040
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 5) [86756] walter ash
by Oscar A Hoyt <k5ubs@juno.com>
- 6) [86757] SA612AN vs NE602 ?
by "Chuck Carpenter" <w5usj@globeco.net>
- 7) [86758] Handbooks 1942, yes siree-got it!
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 8) [86759] Re: SA612AN vs NE602 ?
by "John J. McDonough" <wb8rcr@arrl.net>
- 9) [86760] Re: Spiral Loop?
by david gauding <david.gauding@bbs.galilei.com>
- 10) [86761] Re: Handbooks 1942, yes siree-got it!
by "George, W5YR" <w5yr@att.net>
- 11) [86762] Re: Spiral Loop?
by Phil Wheeler <w7ox@earthlink.net>
- 12) [86763] FOX -- QRM
by "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
- 13) [86764] Where's da Fox?
by "blinn" <blinn@dmi.net>
- 14) [86765] Mil-Spec? Slightly OT
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 15) [86766] Re: Mil-Spec? Slightly OT
by Phil Wheeler <w7ox@earthlink.net>
- 16) [86767] Re: walter ash
by "Winston F. Jones" <winjones@ix.netcom.com>
- 17) [86768] Re: walter ash
by "Victor Blackwell" <victor@brecnet.com>
- 18) [86769] PSK-31- is anyone there?
by John Payne <paynej1@tnni.net>
- 19) [86770] Re: Computer problems with DigiPan 1.5

- by "Dan W. Dooley" <dandooley@pipeline.com>
- 20) [86771] Re: FOX -- QRM
by "George, W5YR" <w5yr@att.net>
- 21) [86772] FS: QRP mod for IC-735
by David M Kopacki <kf2ew@juno.com>
- 22) [86773] Losses in Baluns
by "James R. Duffey" <jamesd1@flash.net>
- 23) [86774] RE: Is anyone there?
by John Payne <paynej1@tnni.net>
- 24) [86775] Re: Computer problems with DigiPan 1.5
by baltimoremd@baltimoremd.com
- 25) [86776] FOX Mark is doing well
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [86777] Re: FOX -- QRM
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [86778] SMT Pre-Made Boards?
by Ed Kessler <edkess@epix.net>
- 28) [86779] Re: FOX -- QRM
by "George, W5YR" <w5yr@att.net>
- 29) [86780] RE: SMT Pre-Made Boards?
by "Ed Tanton" <n4xy@att.net>
- 30) [86781] Re: SMT Pre-Made Boards?
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 31) [86782] Fox: Keeping fingers and toes crossed...
by "K7FD K7Low" <cqdx@teleport.com>
- 32) [86783] 1942 ARRL Handbook
by SMurph555@aol.com
- 33) [86784] Re: Fox: Keeping fingers and toes crossed...
by Jeff Stai WK6I <jstai@home.com>
- 34) [86785] Doghouse Operation Sprint Results
by Ken Newman <N2CQ@citnet.com>
- 35) [86786] Re: SMT Pre-Made Boards?
by Phil Wheeler <w7ox@earthlink.net>
- 36) [86787] FOX Notes from K2Q0
by "Mark Adams, P.E." <k2qo@hotmail.com>
- 37) [86788] Fw: Computer problems with DigiPan 1.5
by "Walt Amos" <k8cv@netzero.net>
- 38) [86789] Re: Handbook and questions (long)
by "William H. Launer" <wlauner@mail.win.org>
- 39) [86790] Re: FOX Notes from K2Q0
by "George, W5YR" <w5yr@att.net>
- 40) [86791] Re: 1942 ARRL Handbook
by "George, W5YR" <w5yr@att.net>
- 41) [86792] Re: PSK-31- is anyone there?
by Joseph I Pirkle <ad4ih@juno.com>
- 42) [86793] Re: walter ash
by Bob Patten <n4bp@bc.seflin.org>
- 43) [86794] On-Line Distance Calculator

by Charles K Brown <n4so@juno.com>
44) [86795] Re: Fox: Keeping fingers and toes crossed...
by "Karl F. Larsen" <k5di@zianet.com>
45) [86796] Re: PSK-31- is anyone there?
by John Payne <paynej1@tnni.net>
46) [86797] Class of '55 (walter ash)
by "Chuck Carpenter" <w5usj@globeco.net>
47) [86798] OT-RF Display
by baltimoremd@baltimoremd.com
48) [86799] 136 khz and 160-190 khz info
by John AE5X <ae5x@juno.com>
49) [86800] Still need DE,RI,SD,WY on www.5watts.com
by "Brian L. Lewis" <bl@csi.com>
50) [86801] Canadian Hams - your needed on www.5watts.com
by "Brian L. Lewis" <bl@csi.com>
51) [86802] Christmas Day Beacon Reminder
by "Brian L. Lewis" <bl@csi.com>
52) [86803] RE: Losses in Baluns
by "Lau, Zack, W1VT" <zlau@arrl.org>
53) [86804] Re: Christmas Day Beacon Reminder
by "Brian" <brian@iquiest.net>
54) [86805] Re: walter ash
by W1R0@aol.com
55) [86806] Cub Fox Log: N8IE v1.1
by Shepherd@aol.com
56) [86807] SV1SL on SSB now
by Michael Goins <mgoins@usa.net>
57) [86808] FOX - Cub hunt for Wed/Thurs 12-20/21
by Macstein@aol.com
58) [86809] Re: walter ash
by Bill Jones <kd7s@psnw.com>
59) [86810] 136Khz results
by Bill Walker <windal@azstarnet.com>
60) [86811] Re: SA612AN ? Thanks!
by "Chuck Carpenter" <w5usj@globeco.net>
61) [86812] FOX: K2Q0 Log
by "Mark Adams, P.E." <k2qo@hotmail.com>
62) [86813] Traps info wanted
by "wd7y@pyramid.net" <wd7y@pyramid.net>
63) [86814] OT: FP Truffle Hunts
by Shepherd@aol.com
64) [86815] Re: 136Khz results
by Mike <mmorrow@companet.net>
65) [86816] Spiral Loop?
by Bcieslak@ra.rockwell.com
66) [86817] Need OHR Spirit manual
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
67) [86818] Re: OT-RF Display

by "George, W5YR" <w5yr@att.net>
68) [86819] Custom Warbler
by Bill Jones <kd7s@psnw.com>
69) [86820] Just the FAQs
by Shelly Somerville <somerville@uniserve.com>
70) [86821] Thanks
by Shelly Somerville <somerville@uniserve.com>
71) [86822] Re: K2Q0 Fox log...
by "K7FD" <cqdx@teleport.com>
72) [86823] [STATUS] K8IQY vs K7Q0 Building Contest
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
73) [86824] Re: Yaesu FT 817 info wanted
by Bob Nielsen <nielsen@oz.net>
74) [86825] Re: OT-RF Display
by Joe Street <jstreet@venus.uwaterloo.ca>
75) [86826] Elecraft News; New K1 & K2 Internal Pictures
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
76) [86827] Re: Just the FAQs
by "W7TRX" <w7trx@mindspring.com>
77) [86828] PSK-31
by "Kenneth Evans" <w4du@bellsouth.net>
78) [86829] Cub Fox Log: N8IE v1.1.1
by Shephed@aol.com
79) [86830] Re: Christmas Day Beacon Reminder
by w0av@juno.com
80) [86831] Re: Custom Warbler
by "Mont Pierce" <MyGrapeVine@yahoo.com>
81) [86832] Coherent CW
by Jim Glover <psykey@okcforum.org>
82) [86833] sw40+
by "kw3u@warwick.net" <kw3u@warwick.net>
83) [86834] Spotting DX via the internet
by Jim Hale <kj5tf@yahoo.com>
84) [86835] NEQRP WQ1RP CW Net, Thursday, 21 Dec, 9:00 PM EST, 3.561MHz
by Chuck Ludinsky <cjl@mitre.org>
85) [86836] FOX - Change of call signs
by "Tom's mail" <n1tp@worldnet.att.net>
86) [86837] Sierra Kit - For Sale
by Jerry Felts <nr5a@yahoo.com>
87) [86838] Another WAS
by Larry S Cahoon <wd3p@juno.com>
88) [86839] Re: Spotting DX via the internet
by "Victor Blackwell" <victor@brecnet.com>
89) [86840] new Kenwood radio?
by Michael Goins <mgoins@usa.net>
90) [86841] Re: new Kenwood radio?
by "W7TRX" <w7trx@mindspring.com>
91) [86842] W/R ANTENNA

by hamjoel@juno.com
92) [86843] Re: OT-RF Display
by baltimoremd@baltimoremd.com

Date: Tue, 19 Dec 2000 19:06:28 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [86752] [RE]Length of 40 Metre Beverage
Message-ID: <200012191906_MC2-BF3B-54E9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Thanks very much for the large number of replies. Just too many replies=
to respond to individually, so please let me just thank everyone with a
general note to the list. =

Seems like the best length is about 2 wavelengths, mounted low to the
ground. Hope I have enough room to give this a shot. Thanks one and all=
. =

BTW, GL in the FOX hunt tonight. =

72,
--Doc/K0EVZ

Date: Tue, 19 Dec 2000 16:32:50 -0800
From: Casey Ray <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86753] HTX-10 for trade
Message-ID: <3A3FFE32.AAE65551@usc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have an HTX-10 Radio Shack 10 meter transceiver new in box, excess to

my needs, which I would like to trade for a 2 meter mobile rig. HTX-10 has never been used. I've opened the box and read the owner's manual.

Please let me know what you have; make, model, features.

Thanks for the bandwidth.

73 de Casey
AD6DI

Date: Wed, 20 Dec 2000 00:49:35 -0000
From: "Walt Amos" <k8cv@netzero.net>
To: "Posts Qrp-l" <qrp-l@lehigh.edu>
Subject: [86754] Fw: Length of 40 Metre Beverage?
Message-ID: <003901c06a1e\$ba8deb40\$0ae85aa6@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now this one took me quite a while to figure out senior
senile moment !!

This time of year for me it would be eggnog :-)

Walt K8CV

----- Original Message -----
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, December 19, 2000 8:19 PM
Subject: Re: Length of 40 Metre Beverage?

>
> ----- Original Message -----
> From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Tuesday, December 19, 2000 01:13 PM
> Subject: Length of 40 Metre Beverage?
>
>
> Gang:
>

> we can be a voice in getting it changed.
> 73,
> Don Wilhelm -Chapel Hill, NC
> W3FPR QRP-L # 485 K2 SN 0020
>
> >
> > > Look in the ARRL Handbook. It shows the "gentleman's" agreement for
7040
> > to
> > > be both QRP and RTTY.
> >
> > That may be true--but it seems like when I was active on RTTY all the
> > action was up around 080. I understand that EU stations don't have any
> > choice due to their narrow band. However, I rarely hear EU on 40 at
all,
> > and when I do, it's pretty weak. So I doubt that the strong digital
stuff
> > on 040 is coming from EU.
> >
> >
>

Date: Sat, 16 Dec 2000 08:41:21 -0600
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [86756] walter ash
Message-ID: <20001216.084125.-108553.0.k5ubs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I learned a lot from going over and over the walter ash , allied radio
and wr1 catalogs.
Also I still have one of my novice qsl cards, printed by walter ash...
WN5JNY. framed and hanging in the shack. from 1955.
Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, ARCI, NORCAL, SOC
303 303

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 19 Dec 2000 19:10:01 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU
Subject: [86757] SA612AN vs NE602 ?
Message-ID: <3.0.2.32.20001219191001.006a97c8@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

I'm collecting parts to build a transceiver...

Will the SA612AN work as a replacement for the NE602/612 ?

All info greatly appreciated...

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Tue, 19 Dec 2000 19:21:00 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "George Gingell" <k3tks@u1.abs.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [86758] Handbooks 1942, yes siree-got it!
Message-ID: <003701c06a23\$1cc6e3d0\$5ac07481@rohredt2000>

George,

1942 was the year I was born, thus in perusing some old books at a swap meet, I was overjoyed to find the special Defense issue, for 1942, price (originally) \$1. I paid more, but it was in excellent condition, not as dog eared as my first 1957 Handbook. Coincidentally, they both are red covers! In 1942, they issued this edition as a training aid for war time electronics courses. It had some construction projects on rigs and receivers, etc. and the Theory section, at least on antennas, was identical to my 1957 copy! Much of the rest of the Theory sections looked the same as well. It was only about 1/2 inch plus thick, compared to the more or less thicker size of the 50's.

They printed quite a few of these, about as many as there were hams back then. As I recall, it was listed as to the size of the printing run. Probably had to do with wartime paper rationing rules. There may be a lot more floating around out there among old Army radiomen. If I see another, should I grab it for you?

72,
Stuart K5KVH

Date: Tue, 19 Dec 2000 20:22:47 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <w5usj@globeco.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86759] Re: SA612AN vs NE602 ?
Message-ID: <06d001c06a23\$5d86f860\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Chuck Carpenter" <w5usj@globeco.net>
Subject: SA612AN vs NE602 ?

> Will the SA612AN work as a replacement for the NE602/612 ?

Close enough for government work!

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 19 Dec 2000 19:22:13 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Cc: n0tu@webaccess.net
Subject: [86760] Re: Spiral Loop?
Message-ID: <5.0.2.1.0.20001219180844.00a28280@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Steve and Group,

I built and used a homebrew W80HM Loop in the mid-to-late 80's. I tried the loop in the attic, in my second floor shack and on a patio. It worked better than just "okay". It was and remains a personal favorite.

I kept the loop's stripwood frame in a corner of the shack until we moved from a condo to a house. It didn't make the trip! However, I worked Hal a few years ago and heard him in QSO recently. The loop stands on a dresser in his bedroom, I believe.

The loop frame is two pieces of stripwood 36" long in a cross configuration with an extension on the base leg for mounting purposes. Brads are placed every 1" on each of the legs to allow 15 full turns of decreasing size to be flat wound on the frame. There is matching circuit (two variable caps). The loop is fed with 72 ohm coax and includes a coaxial balun at the base. I mounted my version on a collapsible music stand which worked out well in practice.

A story goes with this one. I used to work a several guys regularly on a 40CW roundtable. They too were amazed at how strong the loop was whenever they worked Hal. It became an on-going topic for discussion. Each had sent him a letter(s) over several years asking for specifics and never got a reply. I finally sent one too but included an SASE. I promptly got an original handdrawn page in return.

For folks willing to experiment and have some fun with our hobby there is a little lesson to be learned here. W8OHM came up with a pretty decent antenna that is inexpensive and repeatable. It doesn't hear everything on the air or log all the DX on the planet. But, it works and pretty well at that.

The loop meets a specific requirement for an indoor limited space 40M antenna. And, well enough to where Hal was willing to share the design with others. Good for him!

If anyone is seriously interested in building an W8OHM loop (and is prepared to post the design on QRP-L) send me an e-mail. I'll mail you a copy of the drawing.

Regards,

de Dave, NF0R nf0r@slacc.com

At 06:24 AM 12/19/00 -0700, you wrote:

>Just worked Hal W8OHM an 84 yr old gent who was using a 2' diam. spiral loop
>in his aluminum shack on 40m. Haven't seen any info on this design before. I
>didn't get his power but I suspect he was 50w plus? His rig was a TS50. But
>I was amaze at how his signal was peaking S8-9 using loop in a sheilded
>shack! Hmm. Defies my antenna logic? The rig here of course was my K2 @ 5w
>getting an S5-7 on his end. But a sprial loop? Any info on these guys? I

>know there's nothing on this in my antenna books or handbook (72').
>
>Steve/n0tu ~ Monument,CO

Date: Tue, 19 Dec 2000 19:37:29 -0600
From: "George, W5YR" <w5yr@att.net>
To: rohre@arlut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86761] Re: Handbooks 1942, yes siree-got it!
Message-ID: <3A400D59.1EA337F8@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Right on, Stuart! That was my very first Handbook and the one I started study on in 1945 while it was still available - as I recall there were no others, but I could be mistaken. I did buy the first postwar 46 issue just as soon as it came out late in 1945 and continued my study with that until I took the Class B exam in June, as I recall. The license was issued on August 31 and I didn't get it until early in September - took a long time in those days!

I don't know what happened to those Handbooks, but I did find a 46 at a flea market and it now resides on the ham bookshelf.

Again, I am not certain, but as I recall the 42 edition was widely used for military training until appropriate "official" training manuals could be developed. Amateur radio was a major communications resource for the military in the early days of WWII. Of course, that was back when the average ham knew what was in the books and could send code. But, I sound little bitter . . .

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Stuart Rohre wrote:

>
> George,
> 1942 was the year I was born, thus in perusing some old books at a swap
> meet, I was overjoyed to find the special Defense issue, for 1942, price
> (originally) \$1. I paid more, but it was in excellent condition, not as dog

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> Probably had to do with wartime paper rationing rules. There may be a lot
> more floating around out there among old Army radiomen. If I see another,
> should I grab it for you?
>
> 72,
> Stuart K5KVH

Date: Tue, 19 Dec 2000 17:54:14 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: david.gauding@bbs.galilei.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86762] Re: Spiral Loop?
Message-ID: <3A401146.1655C3B5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

I am interested in this. Questions:

- o Does this antenna help with noise rejection (e.g., by changing its orientation)?
- o Can it be used on multiple bands as sized, or only 40 m?

BTW .. was "...a collapsible music stand which worked out well in practice" an intended pun :-)

73, Phil W7OX

david gauding wrote:

- >
- > Steve and Group,
- >
- > I built and used a homebrew W80HM Loop in the mid-to-late 80's. I tried the

> loop in the attic, in my second floor shack and on a patio. It worked
> better than just "okay". It was and remains a personal favorite.
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> I kept the loop's stripwood frame in a corner of the shack until we moved
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> copy of the drawing.
>
> Regards,
>
> de Dave, NF0R nf0r@slacc.com
>
> At 06:24 AM 12/19/00 -0700, you wrote:
> >Just worked Hal W8OHM an 84 yr old gent who was using a 2' diam. spiral loop
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> >didn't get his power but I suspect he was 50w plus? His rig was a TS50. But
> >I was amaze at how his signal was peaking S8-9 using loop in a sheilded
> >shack! Hmm. Defies my antenna logic? The rig here of course was my K2 @ 5w
> >getting an S5-7 on his end. But a sprial loop? Any info on these guys? I
> >know there's nothing on this in my antenna books or handbook (72').

> >

> >Steve/n0tu ~ Monument,CO

Date: Tue, 19 Dec 2000 20:17:22 -0600
From: "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
To: <qrp-1@lehigh.edu>
Subject: [86763] FOX -- QRM
Message-ID: <00a601c06a2a\$fc835510\$017c9396@dra.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got Mark tonight but would have been a lot easier without the idiots tuning up on his frequency. Somehow I expected better of the QRP people.

73,
Mike WA0SXV

Date: Tue, 19 Dec 2000 18:15:18 -0800
From: "blinn" <blinn@dm1.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86764] Where's da Fox?
Message-ID: <000701c06a2a\$b4026380\$b0b8e5d8@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone hearing him in the din (Den)?

Date: Tue, 19 Dec 2000 21:59:39 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-1@lehigh.edu
Subject: [86765] Mil-Spec? Slightly OT
Message-ID: <3A402099.7FDD6B06@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone know where I can get a copy of Mil Std 810 c,d,e? Do any of these specify vibration/shaking/acceleration/impact standards?

The mid 80's MiCom HF radio on one of our boats gave up the ghost. Near as I can tell, the error voltage in the PLL went away. Should be easy enough to fix but the circuit is on a potted board. Motorola wants \$2500 for a replacement board which is a bit steep for my taste. I was asked to spec out a new rig.

The Icom 700 in the office works fine but it is not Mil-Spec. It will need to take a pounding if I install it in the boat...seas routinely get up to 7-8 feet during transit operations. I would feel better if I knew the rig could withstand this. One of the consortium boats I deal with has an IC-700 which does not seem any the worse for the wear. Maybe I need to set up a shock resistant mounting? There are Mil-Spec marine HF radios but they get quite expensive very quickly.

Anyone have any suggestions?

Henry

Date: Tue, 19 Dec 2000 18:21:01 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: henryf@quartz.gly.fsu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86766] Re: Mil-Spec? Slightly OT
Message-ID: <3A40178D.256CD226@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:

>
> Anyone know where I can get a copy of Mil Std 810 c,d,e? Do any of
> these specify vibration/shaking/acceleration/impact standards?
>

At one time (2-3 yrs ago) I was able to find most of those by searching on line. I'm pretty fuzzy re what's in which std though.

73, Phil W7OX

Date: Tue, 19 Dec 2000 21:31:20 -0500
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <k5ubs@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86767] Re: walter ash
Message-ID: <00fc01c06a2c\$f1171160\$322745cf@winjones>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I bought my first ham equipment from Walter Ashe back in 1960 when I got my novice license. It was a used Heath AR-3 receiver and an old 40's vintage Meck T-50 transmitter. The pair cost me all of about \$60, my total earnings for that summer.

I really appreciated that they took time to fool with a poor schoolboy like me, even sending me photostat copies of product literature on the old equipment.

73, Winston K4CWQ

----- Original Message -----

From: "Oscar A Hoyt" <k5ubs@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 16, 2000 9:41 AM
Subject: walter ash

> I learned a lot from going over and over the walter ash , allied radio
> and wr1 catalogs.
> Also I still have one of my novice qsl cards, printed by walter ash...
> WN5JNY. framed and hanging in the shack. from 1955.
> Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, ARCI, NORCAL, SOC
> # 303 303
>
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Tue, 19 Dec 2000 21:48:21 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: <winjones@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-

l@lehigh.edu>
Subject: [86768] Re: walter ash
Message-ID: <025c01c06a2f\$513c7e20\$4e5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now that you jogged my memory, my first decent, by old world standards, receiver came from Walter Ashe. It was a used unit, but it looked and performed like a brand new Hallicrafter S-40A.

My rig was a home brew 6L6. Of course, it was QRP, but I didn't know it for the first 25 years.

>I bought my first ham equipment from Walter Ashe back in 1960 when I got my
>novice license. It was a used Heath AR-3 receiver and an old 40's vintage
>Meck T-50 transmitter. The pair cost me all of about \$60, my total earnings
>for that summer.

Date: Tue, 19 Dec 2000 21:47:09 -0800
From: John Payne <paynej1@tnni.net>
To: QRP-L@lehigh.edu
Subject: [86769] PSK-31- is anyone there?
Message-ID: <SAK.2000.12.19.hpmhmnkb@john-payne>
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

Is there anyone in Central FL area to sked PSK with? I'm in Sebring FL and have yet to even see any signals. Is it me or my rig? Any help is appreciated!

72/3 de John N4FLJ

Date: Tue, 19 Dec 2000 20:49:12 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <marsgal42@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86770] Re: Computer problems with DigiPan 1.5

Message-ID: <00d801c06a2f\$72f77100\$0300a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Surely not! I respectfully disagree. Any time I have a blue screen crash on Windows I consider it unacceptable. I run my two towers 24 hours a day, 7 days a week, and the only time I intentionally reboot either is when I am making a change that requires a reboot - such as the install of a new program. If I had such crash problems, I'd do some serious troubleshooting.

My main workstation runs Win98 SE. I had my first blue screen crash the other day, in probably a quite a few months. This computer runs some pretty heavy duty applications. Often at the same time.

The other tower has been on NT Server 4.0. The only time it has been rebooted is upon install of a new app. or the change of a piece of hardware. This one has just been moved to Win 2000 Server. We'll see how that does.

As for the laptop I'm typing this on now. Runs 98. Obviously it gets turned off and on frequently. Can't recall the last crash on it.

As for DigiPan 1.5, I've been running it since its release with no problems. Sorry, I've not kept up with that thread.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "laura halliday" <marsgal42@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 19, 2000 5:03 PM
Subject: Re: Computer problems with DigiPan 1.5

>
> Even at that, an MTBF of 2 hours for a resource-intensive
> Windows application isn't bad. It would be scandalous for
> any other OS, but for Windows, it's not all that bad.
>

Date: Tue, 19 Dec 2000 20:49:48 -0600
From: "George, W5YR" <w5yr@att.net>
To: wa0sxv@mellinger.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86771] Re: FOX -- QRM
Message-ID: <3A401E4C.C4459112@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike, I doubt that it was "QRP people." A lot of guys with QRO ears just don't hear the weaker Fox activity there and assume that it is a clear frequency. That idiot who kep just keying up, though, surely wasn't tuning up, so I agree with your idea. Thank Goodness, Mark was 59 most of the time here. Got him at 0220.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Mike Mellinger WA0SXV wrote:

>
> Got Mark tonight but would have been a lot easier without the idiots tuning
> up on his frequency. Somehow I expected better of the QRP people.
>
> 73,
> Mike WA0SXV

Date: Tue, 19 Dec 2000 21:50:54 -0500
From: David M Kopacki <kf2ew@juno.com>
To: qrp-l@lehigh.edu
Subject: [86772] FS: QRP mod for IC-735
Message-ID: <20001219.215055.-16672351.1.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have a working QRP mod, which plugs into the ALC jack of the IC-735 (and maybe other Icom models as well). I sold the IC-735 without the mod.

If anyone wants it, 10 bucks plus shipping and it's yours.

9v battery not included.

Thanks es 73,
Mike, KF2EW

PS: Also have a brand new, never been outta the box Cannon BJC-2010 printer. \$50 plus shipping.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 19 Dec 2000 19:52:30 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <z1au@arrl.org>
Subject: [86773] Losses in Baluns
Message-ID: <B6656CFE.4527%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Zack - Your post gave me something to think about during my noon walk when you referred to unsolved balun problems:

"I have yet to see some one develop a simple model for predicting losses as the impedance varies from the characteristic design impedance"

For choke baluns, also known as transmission line baluns, current baluns, or Guanella baluns, this should be straight forward, unless I am missing something obvious. The losses in the baluns can be broken down into two contributions, one from the transmission line currents, and one from the unbalance current. The losses caused by the transmission line currents should behave similar to the losses in any transmission line caused Ohmic losses and by a mismatch (or high SWR). These can be calculated with handbook formulas if the matched loss of the transmission line used to make the balun and the impedance mismatch is known. For baluns made from coax or paralleled wires this should be known. The losses due to the unbalanced current can be calculated from standard inductor loss equations. The Fair-Rite and Amidon catalogs have sections that describe how to calculate these losses and the parameters for popular core material. Losses associated with air core baluns would be very low, primarily the $(I^2)R$ ohmic losses. Losses associated with low permeability ferrite or iron powder toroid cores

commonly used in baluns are fairly low when used in the proper frequency range. Losses associated with high permeability ferrite rods and beads is quite a bit higher, although still acceptable for QRP applications. All this assumes that the transmission line on the source side of the balun is matched to the source impedance of the generator.

I think this simple theory is OK for most applications. When I get a chance I will try to put it all down on paper to see if it hangs together.

I am not sure how to compute the losses associated with the autotransformer type of balun, also known as a voltage or Ruthroff type balun. For most amateur applications these are not as effective as the current type baluns though, so there is some encouragement to ignore the question. I would think that this problem has been addressed in regards to transformers though. I will look the next time I am at the library.

A note that you posted a week or so ago makes think that you were prompted to ask this question by your work on off center fed antennas. I am at a loss as to how to treat these beasts, since the load is neither balanced or unbalanced in the traditional sense of the words. This makes feeding it difficult and it is very difficult to imagine getting rid of all of the unbalanced current in the line without resorting to divine intervention. This is borne out by at least one published report that several baluns were required to reduce the unbalanced transmission line current to an acceptable value. Upon thinking about this I postulated several ways that one might get rid of this unbalanced current, but they are only single band solutions. One rapidly comes to the conclusion that one should not feed a dipole off center.

Thanks for the topic to think on. Did I miss something obvious or not so obvious? - Duffey

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 19 Dec 2000 22:01:21 -0800
From: John Payne <paynej1@tnni.net>
To: QRP-L@lehigh.edu
Subject: [86774] RE: Is anyone there?
Message-ID: <SAK.2000.12.19.kreqgocr@john-payne>
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

72/3 de John N4FLJ

Date: Tue, 19 Dec 2000 20:22:37 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [86776] FOX Mark is doing well
Message-ID: <Pine.LNX.4.31.0012192017440.1921-100000@cannac.ampr.org>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Found him after dishes not at 7038 but 7042 with a thousand Hounds
baying 1 to 3 kHz higher. Called for 20 minutes and at last the strong QSB
held long enough for a QSO after a repeat on my name.

Merry Christmas to all of you all. I'm off to Grand Junction, CO
with wife to enjoy a family Christmas in the \$500,000.00 home they have on
7 acres in the hills above the town. With 2 kids they need the space...:-)

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 19 Dec 2000 20:24:53 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86777] Re: FOX -- QRM
Message-ID: <Pine.LNX.4.31.0012192022560.1921-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

George I heard all of this and I'm sure it's an old man unhappy to see a
bunch of Hams having a great time. He seemed to copy Mark and tune just on
him, Then he disappeared.

On Tue, 19 Dec 2000, George, W5YR wrote:

> Mike, I doubt that it was "QRP people." A lot of guys with QRO ears just
> don't hear the weaker Fox activity there and assume that it is a clear
> frequency. That idiot who kep just keying up, though, surely wasn't
> tuning up, so I agree with your idea. Thank Goodness, Mark was 59 most
> of the time here. Got him at 0220.

>

> 72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6
> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

>

>

> Mike Mellinger WA0SXV wrote:

> >

> > Got Mark tonight but would have been a lot easier without the idiots tuning
> > up on his frequency. Somehow I expected better of the QRP people.
> >
> > 73,
> > Mike WA0SXV
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 19 Dec 2000 22:30:58 -0500
From: Ed Kessler <edkess@epix.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86778] SMT Pre-Made Boards?
Message-ID: <5.0.2.1.0.20001219222709.00a00040@mailhost.epix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello everyone and Merry Christmas.

Does anyone make PCBs for SMT components? I'd like to work with some SMT
DDS and Mixer chip samples from Analog Devices, but would prefer to not
work with them al la ugly construction.

Any suggestions?

Thanks,
Ed AA3SJ

Date: Tue, 19 Dec 2000 21:32:16 -0600
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86779] Re: FOX -- QRM
Message-ID: <3A402840.53D20EC9@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:

>

> George I heard all of this and I'm sure it's an old man unhappy to see a
> bunch of Hams having a great time. He seemed to copy Mark and tune just on
> him, Then he disappeared.

I thought the same thing, Karl! <:}

Some folks just can't play nice with the other children. Didn't hear you
tonight so maybe propagation wasn't so good.

Hope you got him.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Date: Tue, 19 Dec 2000 22:39:53 -0500
From: "Ed Tanton" <n4xy@att.net>
To: <edkess@epix.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86780] RE: SMT Pre-Made Boards?
Message-ID: <CKEGICNFDIMCEKEDCEHFIEINFDA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Ed... take a look at "Surfboards" by Capitol Applied Technologies.
Digikey sells them-amongst others.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 20 Dec 2000 14:53:13 +1100

From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: <edkess@epix.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [86781] Re: SMT Pre-Made Boards?
Message-ID: <004901c06a38\$61c531c0\$985b868b@zimslaptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ed,

> Does anyone make PCBs for SMT components ?

There are a few around.

here's one <http://www.elexp.com/pro-surf.htm>

de Zim VK3GJZ

Date: Tue, 19 Dec 2000 19:49:28 -0800
From: "K7FD K7Low" <cqdx@teleport.com>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [86782] Fox: Keeping fingers and toes crossed...
Message-ID: <004801c06a37\$dbea8820\$ad231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

..he peaked around 0300Z in Oregon, but I didn't work him until
0343Z...simplex...after the pileups had died down. I snuck in on the coat
tails of Ed WE6W...thanks for warming up the ether Ed!! First heard K7H?
...then I called w/ my call and report...gave a fill on the name...then
heard R FD and a QRZ?

I'll be anxious to see the log on this puppy!

Happy Holidays,

John 'St. Nick' Nicholson, K7FD

Date: Tue, 19 Dec 2000 22:54:12 EST
From: SMurph555@aol.com
To: qrp-1@lehigh.edu
Subject: [86783] 1942 ARRL Handbook
Message-ID: <ac.e8cea13.27718764@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi gang,

Actually there were two editions of the 1942 Handbook. The first, which I'm sure was published before December 7th, 1941, was the full-up version, with advertisements and printed on high quality paper. There was also a special Defense edition which came along a bit later. It was stripped of advertisements and printed on, shall we say, lesser paper. I can well believe it was pressed into service for training. I have copies of both editions.

What's more, they weren't that much out of date when I got my first ticket in 1955. Of course I might have fractured some FT-243 crystals if I'd built a transmitter using a 6L6 oscillator with 350 to 400 volts on its plate. And the VHF rigs were for the 56 MHz and 112 MHz bands - the latter would have been modulated oscillators.

To quote KU7Y - back in my hole <grin>!

72/73

Cal K4JSI

PS - Bonus question - what did WERS stand for? Please respond to caljsi@aol.com, not the wife's address <grin>!

Date: Tue, 19 Dec 2000 20:08:18 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [86784] Re: Fox: Keeping fingers and toes crossed...
Message-ID: <3A4030B2.BD023B87@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

well, I finally put something vaguely approaching a 40m wire back up and tried to find a fox for the first time... the fact that K7FD was calling SOMEBODY helped me to believe there was actually a hunt!-) Unfortunately, I assumed that John would not be calling simplex, therefore I looked everywhere else, which turned out to be wrong (see below) ...

Sneaking off between 6-8pm when you have kids is darn near impossible it seems, but hopefully I can try this again soon...!

7x! - j

K7FD K7Low wrote:

>

> ..he peaked around 0300Z in Oregon, but I didn't work him until
> 0343Z...simplex...after the pileups had died down. I snuck in on the coat
> tails of Ed WE6W...thanks for warming up the ether Ed!! First heard K7H?
> ...then I called w/ my call and report...gave a fill on the name...then
> heard R FD and a QRZ?

--

jeff stai

WK6I DM13

NAR #21059 TRA #3356 L2

jstai@home.com / wk6i@arrl.net

ROC web page: <http://www.rocstock.org/>

Date: Tue, 19 Dec 2000 23:10:15 -0500

From: Ken Newman <N2CQ@citnet.com>

To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org

Subject: [86785] Doghouse Operation Sprint Results

Message-ID: <3.0.6.32.20001219231015.007f5380@mail.citnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

2000 Doghouse Operation Sprint Results

Station	Opr	Power Pts	Batt/ Mult	Port	Score
K7RE Brian		38	X7	+100	366*
W2AGN John		34	X7	+100	338
W2BVH Lenny		12	X7	+100	184
KA3WMJ Ken		10	X7	+100	170
W1PID Jim		12	X7	-	84
WQ2RP Ken(N2CQ)		38	X7	-	266 (Check log)

*FIRST PLACE OVERALL & MOST AREA CODES WORKED.

Congratulations Brian!

Additional participating stations:

KC0GXX	Tom	AG4LB	Lou	W8VFM	Ned
K0HPS	JC	AF4LQ	Mike	KG9PQ	Cal
N0SA	Larry	AF4PS	Mac	WD9FJL	Steve
KA1DDB	Mike	K4NK	Les		
AA2Y0	Gene	W5TB	Doc		
K2FN	Frank	K5ZTY	Bill		
W2XS	John	N5IB	Jim		
N3CEU	John	N7MOB	Bill		
K3IZ	Steve	W7SUB	George		
KE3JH	Jim	K1CT/7	Bill		
W3UI	Henry	K8QP	Gene		
KA3WTF	Fran	KG8YT	Bruce		

Thanks very much for the participation and we plan to do this next year again, with some minor rules changes. Hope you and Fido enjoyed the Doghouse Operation Sprint!

72 de
Ken Newman N2CQ
NJ QRP Club

Date: Tue, 19 Dec 2000 20:09:13 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: edkess@epix.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86786] Re: SMT Pre-Made Boards?
Message-ID: <3A4030E9.B84D54F8@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Kessler wrote:

>
> Hello everyone and Merry Christmas.
>
> Does anyone make PCBs for SMT components? I'd like to work with some SMT
> DDS and Mixer chip samples from Analog Devices, but would prefer to not
> work with them al la ugly construction.
>

The following is a good source of general SMT info:

<http://www.geocities.com/vk3em/smtguide/smtguide.htm>

73, Phil W70X

p.s. -- I have an SMK-1 sitting on my bench ready to build. Alas, I cut my left index finger severely on Sunday, so it is not very usable .. and SMT stuff is not "do with one hand tied behind your back".

Date: Tue, 19 Dec 2000 23:13:54 -0500
From: "Mark Adams, P.E." <k2qo@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [86787] FOX Notes from K2Q0
Message-ID: <F139PmcGp8esoVt5JUv00004741@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,

The conditions were beautiful for the 1st hour and the hounds were well behaved! But at 0300UTC, all heck broke loose and I could barely hear anyone. At 0345, DIGI QRO QRM hit my frequency plus 2 KHz each side and I had to move to 7.045. Too ban I only worked 5 guys after that :-(

The log looks like 88 Q's from 28 states. It will be cleaned up and posted by mid Wednesday.

Thanks for stopping by, and sorry for those that tried and couldn't get through. There were many stations that I answered who never came back with a report due to digi hash and QSB.

72,
Mark K2Q0

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Wed, 20 Dec 2000 04:21:06 -0000
From: "Walt Amos" <k8cv@netzero.net>
To: "Posts Qrp-l" <qrp-l@lehigh.edu>
Subject: [86788] Fw: Computer problems with DigiPan 1.5
Message-ID: <001501c06a3c\$479e1ba0\$ab5bf4d1@waltamos>
MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

woah, hate following a computer GURU but

When I get a " blue screen of death " I shut down and restart, but hold the CTRL key and then when a menu appears I select 3 and let that start, shut down again and then just do a normal restart. Usually fixes it up but then I'm running plain old stogy 98 :-)

Walt Amos K8CV Royal Oak, MI k8cv@arrl.net

----- Original Message -----

From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 20, 2000 2:49 AM
Subject: Re: Computer problems with DigiPan 1.5

> Surely not! I respectfully disagree. Any time I have a blue screen crash
> on Windows I consider it unacceptable. I run my two towers 24 hours a
day,
> 7 days a week, and the only time I intentionally reboot either is when I
am
> making a change that requires a reboot - such as the install of a new
> program. If I had such crash problems, I'd do some serious
troubleshooting.
>
> My main workstation runs Win98 SE. I had my first blue screen crash the
> other day, in probably a quite a few months. This computer runs some
pretty
> heavy duty applications. Often at the same time.
>
> The other tower has been on NT Server 4.0. The only time it has been
> rebooted is upon install of a new app. or the change of a piece of
hardware.
> This one has just been moved to Win 2000 Server. We'll see how that does.
>
> As for the laptop I'm typing this on now. Runs 98. Obviously it gets
> turned off and on frequently. Can't recall the last crash on it.
>
> As for DigiPan 1.5, I've been running it since its release with no
problems.
> Sorry, I've not kept up with that thread.
>
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku
> e-mail to: dandooley@pipeline.com

> Web site: <http://www.qsl.net/wb9tka>
> SOC #198, FPQRP # -104
> May Goddes love blest ye alle
> "Ancient Pistol, I do partly understand your meaning."
>
>
> ----- Original Message -----
> From: "laura halliday" <marsgal42@hotmail.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, December 19, 2000 5:03 PM
> Subject: Re: Computer problems with DigiPan 1.5
>
>
> >
> > Even at that, an MTBF of 2 hours for a resource-intensive
> > Windows application isn't bad. It would be scandalous for
> > any other OS, but for Windows, it's not all that bad.
> >
>
>
>

-----NetZero Free Internet Access and Email-----
<http://www.netzero.net/download/index.html>

Date: Tue, 19 Dec 2000 22:15:18 -0600
From: "William H. Launer" <wlauner@mail.win.org>
To: qrp-1@Lehigh.EDU
Subject: [86789] Re: Handbook and questions (long)
Message-ID: <103130302b665e1cbcc51@[204.184.55.121]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All the discussion about using the ARRL Handbook as a reference put me in a reminiscing mood. I hope you younger folks will forgive our "senior moments" (although I'm not as "senior " as some of the other posters).

My interest in radio began in the '40's with my reading of old Mechanics Illustrated and Popular Science magazines that my dad's chiropractor sent home with him (after they had been in his waiting room). They had a lot of "how to" articles in those days. The first radio I built was a 2-tube regen BC receiver that used 2-3S4 tubes. During its life I converted it to short wave by changing the loop antenna to plug-in coils I copied from another magazine article.

I lived on a farm in central Illinois, and had no contact with electronics other than what I read. My parts source was the Allied Radio catalog. I purchased my first ARRL Handbook new in 1951 (I was a senior in H.S.) for the princely sum of \$2.50. I still have it, and it shows the wear and tear of its 49 year lifetime (the Heathkit order blank is missing - I used it to order a Heath AR-1 receiver kit). While I didn't get my ham ticket until 1970, reading the Handbook, Mechanics Illustrated, etc., prompted me to go on to college and get an EE degree. I retired after working 36 years for McDonnell Douglas in St. Louis. During those years, there was never a time when a Handbook wasn't on my desk. It helped me win a lot of arguments with the other engineers. While there were a lot of other publications available, the ARRL Handbook was one of the best!

I'm not trying to discourage anyone from posting questions on the list - we should all try to be "Elmers" for the newcomers to the hobby. Times have changed, magazines are written for the masses, with large doses of hype and little substance. We should all be glad that that some of the newcoming hams are curious enough to ask questions - let's not discourage them. They're the "seniors" of tomorrow!

Bill wb0cld

Bill Launer wb0cld
St. Charles, MO

Date: Tue, 19 Dec 2000 22:21:17 -0600
From: "George, W5YR" <w5yr@att.net>
To: k2qo@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86790] Re: FOX Notes from K2Q0
Message-ID: <3A4033BD.843CB7CF@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark, you ran one of the very best Hunts that I have participated in. You sent Hound calls at the start and end of your exchange and confirmed any questionable matters. There was never any doubt about what you were doing and when it was acceptable for the Hounds to call. I really appreciated your operating style and hope that subsequent Foxii can do as well.

Figuring out your tuning style was a bit of a chore, but finally got in synch with your tuning arm and was pleased to work you at 0220. You had one of the loudest Fox signals I have ever copied here - an honest S9 on the PRO meter most of the time.

Thanks, Mark, for a great Hunt.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

"Mark Adams, P.E." wrote:

>
> Gang,
>
> The conditions were beautiful for the 1st hour and the hounds were well
> behaved! But at 0300UTC, all heck broke loose and I could barely hear
> anyone. At 0345, DIGI QRO QRM hit my frequency plus 2 KHz each side and I
> had to move to 7.045. Too bad I only worked 5 guys after that :-(
>
> The log looks like 88 Q's from 28 states. It will be cleaned up and posted
> by mid Wednesday.
>
> Thanks for stopping by, and sorry for those that tried and couldn't get
> through. There were many stations that I answered who never came back with a
> report due to digi hash and QSB.
>
> 72,
> Mark K2QO

Date: Tue, 19 Dec 2000 22:24:28 -0600
From: "George, W5YR" <w5yr@att.net>
To: calsj@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86791] Re: 1942 ARRL Handbook
Message-ID: <3A40347C.CF2D08CC@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

War Emergency Radio Service.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

SMurph555@aol.com wrote:

>
> PS - Bonus question - what did WERS stand for? Please respond to
> caljsi@aol.com, not the wife's address <grin>!

Date: Wed, 20 Dec 2000 00:15:16 -0500
From: Joseph I Pirkle <ad4ih@juno.com>
To: paynej1@tnni.net
Cc: qrp-l@Lehigh.EDU
Subject: [86792] Re: PSK-31- is anyone there?
Message-ID: <20001220.002209.-3437601.1.ad4ih@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Tue, 19 Dec 2000 21:47:09 -0800 John Payne <paynej1@tnni.net> writes:
> Is there anyone in Central FL area to sked PSK with? I'm in Sebring
>
> FL and have yet to even see any signals. Is it me or my rig? Any
> help
> is appreciated!
>
> 72/3 de John N4FLJ
>
>

John,
Several of us in Central Florida have the Warbler off the just concluded
run. It will be a bit before I am on the air, though, as my XYL has
shanghai'ed the unopened kit, wrapped it, and placed it under the tree.
Oh woe is me!

72/73,
Joe Pirkle, AD4IH
ad4ih@arrl.net
ad4ih@juno.com

Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecrafft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 20 Dec 2000 05:44:59 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Jeff Stai WK6I <jstai@home.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [86795] Re: Fox: Keeping fingers and toes crossed...

Message-ID: <Pine.LNX.4.31.0012200540450.793-1000000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Jeff, your on the esp fringe of Marks signal. I live 8-900 miles east of you and worked Mark but not fast. Had to be a QSB max and a clear frequency...hard to find.

Understand the problem with kids. Hit the hunt later in the day and check the list for clues.

On Tue, 19 Dec 2000, Jeff Stai WK6I wrote:

>
> well, I finally put something vaguely approaching a 40m wire back up and
> tried to find a fox for the first time... the fact that K7FD was calling
> SOMEBODY helped me to believe there was actually a hunt!-) Unfortunately,
> I assumed that John would not be calling simplex, therefore I looked
> everywhere else, which turned out to be wrong (see below) ...
>
> Sneaking off between 6-8pm when you have kids is darn near impossible
> it seems, but hopefully I can try this again soon...!
>
> 7x! - j
>
> K7FD K7Low wrote:
> >
> > ..he peaked around 0300Z in Oregon, but I didn't work him until
> > 0343Z...simplex...after the pileups had died down. I snuck in on the coat

> > tails of Ed WE6W...thanks for warming up the ether Ed!! First heard K7H?
> > ...then I called w/ my call and report...gave a fill on the name...then
> > heard R FD and a QRZ?
>
>
> --
> jeff stai
> WK6I DM13
> NAR #21059 TRA #3356 L2
> jstai@home.com / wk6i@arrl.net
> ROC web page: <http://www.rocstock.org/>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 20 Dec 2000 07:49:09 -0800
From: John Payne <paynej1@tnni.net>
To: QRP-L@lehigh.edu
Subject: [86796] Re: PSK-31- is anyone there?
Message-ID: <SAK.2000.12.20.qjommqo@john-payne>
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

Sorry, should have specified 80m. Running a warbler. Got the display working right, even finally copied fragments of a real qso last night. I suspect that the antenna improvements in the works may help. I'm using a 66 ft. G5RV just a few feet off the roof of the tin-can I live in. Soon will put up a support for the center, and raise it some, likely into an inverted "V" configuration. Of course if I had the real-estate for a full-size 80m antenna...

Original message from: Rlsnuffy@aol.com
>In a message dated 12/19/2000 9:48:58 PM, paynej1@tnni.net writes:
>
>>Is there anyone in Central FL area to sked PSK with? I'm in Sebring
>>FL and have yet to even see any signals. Is it me or my rig? Any help
>>is appreciated!
>

>What frequency you looking at? 14070 is almost always busy...
>
>73
>
>Bob - N2YRJ
>

Date: Wed, 20 Dec 2000 07:02:55 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [86797] Class of '55 (walter ash)
Message-ID: <3.0.2.32.20001220070255.007c9390@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Learned about Amateur Radio later in life than most, I think.

I went to work for Sylvania Electric in Batavia NY and met several Hams there. A great bunch of Elmers and working at an electronics manufacturing co was a great stimulus.

Became Kn20FN in March of 1955 and passed my General in October 1955. Didn't even own a car then but the guys packed me in one of their cars one day and off we went to Buffalo. My first handbook was the 1955 version that sold for a whopping \$3.00 (I made \$62.00 bux a week at the time)... 8^)...

I built a bunch of stuff out of that handbook but it got lost along the way. When I "discovered" the QRP-L list about 3 years ago, I put out an inquiry for a copy. Some kind sould had one and I now have it in my nostalgia library. As always, the folks on QRP-L came to the rescue.

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

Date: Wed, 20 Dec 2000 08:23:22 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>
Subject: [86798] OT-RF Display
Message-ID: <Pine.BSI.4.05L.10012200819520.24660-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'd like to build something to ignite a neon with QRP level rf. Any ideas? I'm thinking a L/C circuit with a short pickup lead.

Thom

http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and Drake Mail List Pages

This sounds interesting to me too and I found a page that may interest others at:

There is also a 160-190 khz "experimenter's band". Info can be found at:

Are any of you operating a beacon on this band?

72,
John AE5X

Date: Wed, 20 Dec 2000 07:23:58 -0600
From: "Brian L. Lewis" <bl@csi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86800] Still need DE,RI,SD,WY on www.5watts.com
Message-ID: <3A40B2EE.A3554E98@csi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you are a ham and are willing to set up a schedule to help other hams work the region you live in, please go to www.5watts.com and register for a listing in your area.

We do not have any listings for the following regions:

USA - Delaware, Rhode Island, South Dakota and Wyoming
Canada- Alberta, Newfoundland, NW Territories, Nunavut, Prince Edward Island, Yukon
DX- lots needed.

Even if there are hams listed in your state/region, please register to give as much opportunity as possible to hams trying to work that section.

Thanks.

72/73

Brian Lewis
K5RV
www.5watts.com

go to www.5watts.com to find out about the Christmas Day Beacon.

Date: Wed, 20 Dec 2000 07:27:49 -0600
From: "Brian L. Lewis" <bl@csi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86801] Canadian Hams - your needed on www.5watts.com
Message-ID: <3A40B3D5.B636B0BF@csi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

If you are a ham (Canada or anywhere) and are willing to set up a schedule to help other hams work the region you live in, please go to www.5watts.com and register for a listing in your area.

We do not have any listings for the following regions:

Canada- Alberta, Newfoundland, NW Territories, Nunavut, Prince Edward Island, Yukon

USA - Delaware, Rhode Island, South Dakota and Wyoming
DX- lots needed.

Even if there are hams listed in your state/region, please register to give as much opportunity as possible to hams trying to work that section.

Thanks.

72/73

Brian Lewis
K5RV
www.5watts.com

go to www.5watts.com to find out about the Christmas Day Beacon.

Date: Wed, 20 Dec 2000 07:31:28 -0600
From: "Brian L. Lewis" <bl@csi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86802] Christmas Day Beacon Reminder
Message-ID: <3A40B4B0.E8DE8250@csi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRPer's--

On Christmas Day (December 25, 2000) at 2300 UTC, after all the presents have been opened and dinner is through, sneak back to the shack and hook up all the new ham radio toys and give a good listen.

I will be transmitting for 2 hours at 250mw on 7044 (plus or minus a tad).

The message will be as follows:

VVVV de K5RV 250mw **** de K5RV ar

The four stars will be the "secret word". (4 second delay between each transmission)

Once you have copied the "secret word", email me at beacon@5watts.com with the word you copied, your callsign, and your QTH. I will post the first 50 reports (with the correct "secret word") to the www.5watts.com website. I plan to update the website continuously, so you could see your report posted very quickly.

For more information, go to www.5watts.com or email me.

Merry Christmas and have fun with ham radio.

72/73,

Brian Lewis
K5RV

Date: Wed, 20 Dec 2000 08:26:36 -0500
From: "Lau, Zack, W1VT" <z1au@arrl.org>
To: "'James R. Duffey'" <jamesd1@flash.net>, qrp-1@lehigh.edu
Subject: [86803] RE: Losses in Baluns
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9C07@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi Duffey,

A formula for calculating the loss of inductors would be much

appreciated--I've always ended up using measured values. Copper loss seems to be a tough one to get a handle on--proximity effects often make the loss higher than one calculates, but I've only seen useful papers dealing with air core inductors.

Frank Witt has done some interesting work, but I'm not sure his procedures can be refined to accurately characterize low loss baluns with under 0.1 dB insertion loss.

I believe WA8MCQ has documented ferrites frying in HW-8s--how do you calculate the threshold?

73--Zack Lau W1VT

Date: Wed, 20 Dec 2000 08:44:33 -0500
From: "Brian" <brian@iquest.net>
To: <bl@csi.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86804] Re: Christmas Day Beacon Reminder
Message-ID: <00d301c06a8a\$fc372f40\$2305080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmmm...a four letter secret word....my imagination is running wild!

I'll LISTEN!

72

----- Original Message -----
From: "Brian L. Lewis" <bl@csi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 20, 2000 8:31 AM
Subject: Christmas Day Beacon Reminder

> QRPer's--

>

>

> On Christmas Day (December 25, 2000) at 2300 UTC, after all the
> presents have been opened and dinner is through, sneak back to the shack
> and hook up all the new ham radio toys and give a good listen.

>

> I will be transmitting for 2 hours at 250mw on 7044 (plus or
> minus a
> tad).

>

> The message will be as follows:

>
>
> VVVV de K5RV 250mw **** de K5RV ar
>
>
> The four stars will be the "secret word". (4 second delay
> between each
> transmission)
>
> Once you have copied the "secret word", email me at
> beacon@5watts.com
> with the word you copied, your callsign, and your QTH. I will post the
> first 50 reports (with the correct "secret word") to the www.5watts.com
> website. I plan to update the website continuously, so you could see
> your
> report posted very quickly.
>
> For more information, go to www.5watts.com or email me.
>
> Merry Christmas and have fun with ham radio.
>
> 72/73,
>
> Brian Lewis
> K5RV
>

Date: Wed, 20 Dec 2000 09:08:17 EST
From: W1R0@aol.com
To: victor@brecnet.com, qrp-1@lehigh.edu
Subject: [86805] Re: walter ash
Message-ID: <8c.1bfe8b.27721751@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I built the 6L6 transmitter on a piece of wood with a vertical metal front about 10 years ago just to see if it could still be done. Power supply transformer came from an old TV set. Power out indicator was a bulb mounted on the front panel. Gator clips held the crystals since I had various sizes and styles and wanted to accommodate all types. I actually ran 8 watts output on a really really good day.

My first receiver was a Stewart Warner 18 inches long, 8 inches high, glowed in the dark better than a night light. Used to copy WCC 2 miles down the road without an antenna when I lived back there.

As a youngster in Ham radio, bought my first ARRL study materials from Allied mail order to the ship I was on in the Med. Being at sea provides for lots of study time.

Date: Wed, 20 Dec 2000 09:48:32 EST
From: Shephed@aol.com
To: <qrp-1@lehigh.edu>, <fpqrp-1@mpna.com>
Subject: [86806] Cub Fox Log: N8IE v1.1
Message-ID: <62.a40eba1.277220c1@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Thanks for the corrections all, not as many as last time. :-)

Time	Call	Rec	Snt	St	Name	Pwr
0203	k9iua	559	449	nd	kevin	5w
0204	w5yr	559	559	tx	geo	5w
0206	w0ch	559	559	mo	dave	5w
0208	k0evz	559	559	nd	doc	5w
0207	kc1fb	559	559	ct	jim	5w
0210	k0evz	559	559	nd	doc	5w dupe
0215	n4so	559	559	al	ken	5w
0217	aj4ay	559	449	al	jay	5w
0220	n5ib	559	559	la	paul	5w
0221	n5ze	559	559	tx	lou	5w
0223	aa3ur	559	559	pa	dave	2w
0228	w3pnl	559	559	pa	joe	3w
0233	n1odl	559	449	nh	aron	5w
0234	n0tu	559	569	co	tom	5w
0237	w9wis	559	559	wi	mike	5w
0242	af4ps	339	559	fl	mac	4w
0245	w5usj	559	559	tx	chuck	3w
0246	k4fb	559	559	fl	paul	5w
0254	nv4t	569	559	fl	bill	5w
0257	kk5ld	559	559	tx	jim	5w
0305	kk5ld	559	559	tx	dan	5w
0308	k0ii	559	449	co	ron	1w
0317	ac5ii	559	449	tx	don	5w
0320	n8var	599	589	oh	ron	5w
0324	8p9bm	559	449	barbados	alan	50w 7.141.6
0330	k5dw	559	559	tx	don	5w
0334	wd5cma	559	449	la	gloria	5w
0340	w8pig/4	559	559	fl	mac	4w
0343	k4lk1	599	559	fl	paul	500mW
0346	k4byf	599	449	fl	jack	5w

0359 n0ss 559 559 mo tom 5w

72, oo
Dan, N8IE

Date: 20 Dec 00 10:05:18 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@LeHigh.EDU
Subject: [86807] SV1SL on SSB now
Message-ID: <20001220150518.15846.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

SV1SL is on 10 meter ssb right now at 28.490. 59+10 into Texas. Worked him
with one watt from the Kenwood 440 and the homebrew multi-band vertical
dipole.

mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Wed, 20 Dec 2000 10:06:10 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [86808] FOX - Cub hunt for Wed/Thurs 12-20/21
Message-ID: <62.a3d1c56.277224e2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Yikes, it's me alraeady again.

I'll be on 7.121 listening up and on toward the end. I'll move to 7.141 if I
have that SSB carrier that has been haunting me.

I'll send at 10 wpm as best I can.

I have not been able to erect the additional wire, so it will be the Infamous
Attic Dipole again. I got Andrew AC7CF from UT in last night's truffle hunt
(and copied WE6W), so maybe I can hears the west coasters.

Hope the tuner-upper misses my freq. GL to all!

72

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5,
SOC #28, West FL QRP, Flying Pig QRP #-51...
and various other annual \$15 commitments.

Date: Wed, 20 Dec 2000 07:10:37 -0800
From: Bill Jones <kd7s@psnw.com>
To: n4bp@bc.seflin.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86809] Re: walter ash
Message-ID: <3A40CBED.5A5B1A82@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gee, 1955 was a magic year for me, too. I became WN7ZDP at the tender age of 13. My first rig was a borrowed Hallicrafters S-38 and a homebrew 6AG7 driving a 6L6 on 40 meters. The Walter Ash, Allied Radio, Philmore and Heathkit catalogs were 'dream' books to me.

> Ah, another class of '55 ham. Ex - WN1GIV here. Our local power company in
> Western Mass. printed free QSL's for us back then...

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Wed, 20 Dec 2000 07:47:11 -0700
From: Bill Walker <windal@azstarnet.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86810] 136Khz results
Message-ID: <00122008144900.16652@deneb>

Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Hello all,

For those of you who may have missed it, a couple of days ago I asked who may be interested in 136Khz if the FCC allocates it for amature radio use. I promised that I would post the results of emails sent to me stating your interest. I received a total of 15 replies so far, (13) indicated interest in using the possible new allocation, (1) Charles (N4S0) sent some good information regarding VLF in general, and (1) wanted more info. Out of the 15 replies, at least two people are already using or actively preparing to use VLF frequencies. I say "at least" simply because they specifically stated the fact, some of the others may also be active. If anyone else is interested, send me an email direct, off the list and I'll continue to take count.

For more information, a very good site that was sent to me by John (AE5X) is, <http://www.geocities.com/CapeCanaveral/Hall/8701/73khz.htm> and also worth checking out is <http://www.lwca.org/>

TNX John and Charles, for these and other good links.

72

--

Bill Walker - KD7JZB
kd7jzb@qsl.net
<http://www.qsl.net/kd7jzb>

Date: Wed, 20 Dec 2000 09:31:16 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [86811] Re: SA612AN ? Thanks!
Message-ID: <3.0.2.32.20001220093116.00793ac0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all for the info on the SA612AN.

I'm going to *attempt* to build one of the trans/receivers in W1FB's Design Notebook, or QRP Notebook. Might even operate it too... 8^)...

Want to check out the PCBs at FAR circuits vs Manhattan style before I decide which one.

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

Date: Wed, 20 Dec 2000 10:42:31 -0500
From: "Mark Adams, P.E." <k2qo@hotmail.com>
To: qrp-l@lehigh.edu
Cc: solitsky@acsu.buffalo.edu, Daj73s@aol.com, k2ud@aol.com
Subject: [86812] FOX: K2Q0 Log
Message-ID: <LC1-LFD182Apw0LZCHu00000012d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Gang,

Thanks again for an enjoyable hunt. The QSB was wild last night as was the digital QRM after 0300. At 0345 it got so bad I had to QSY. Only 4 stations found me after the move.

STATION:

** Omni 6+, MFJ 941E, OHR WM-2, set right at 5w.
** 140' Horizontally polarized loop, top at 35 feet, bottom at 10 feet, ladder line feed to tuner.
** Butternut HF2V, ground mounted, 35+ random lenght radials, fed with 135 feet of 1/2" hardline.
** Compaq 486/SL25 running TR-LOG (sure'd be nice if one of the default contests was the foxhunt!!)

NOTES:

* N1FN sent ET as his name, but I know his name is Marshall.
* Someone sent their power in mW, and I just logged it as 5W because after numerous repeats I could not get it right. I think that person had a straight key which did not help.
* The state count was really high!
* Late in the first hour my ratemeter peaked at 78 Q's/hr. Too bad the qrm ruined what could have been a record run.

THE LOG:

02:00	N4ROA	579	DAN	4W	VA
02:01	K0MP	559	BILL	5W	CO
02:02	K5AAR	599	DON 5w	OK	
02:04	N5ET	559	BOB	5W	TX
02:04	AE4Y	579	KENT	5W	GA

02:06	K0EVZ	589	DOC	5W	ND
02:06	AE9K	579	BRIAN	5W	WI
02:08	W0UFO	559	MERT	5W	MN
02:09	K0PC	559	PAT	5W	MN
02:10	NK9G	559	RICK	5W	WI
02:11	WA9TZE	559	JIM	5W	WI
02:13	N1LN	559	BRUCE	5W	TX
02:14	WA0SXV	569	MIKE	5W	MO
02:16	W5HNS	569	HENRY	5W	TX
02:17	N5TW	599	TOM	5W	TX
02:18	W5USJ	559	CHUCK	4W	TX
02:19	W9XT	559	GARY	5W	WI
02:20	AF4PS	579	MAC	4W	FL
02:20	W5YR	559	GEO	5W	TX
02:21	AC5JH	559	TOM	5W	WI
02:22	N5ZE	559	LEW	5W	TX
02:23	K10J	559	OJ	5W	TX
02:24	K5VUU	559	ED	5W	TX
02:25	K5ZTY	559	BILL	5W	TX
02:26	AA4XX	599	PAUL	2W	NC
02:28	AA0ZZ	559	CRAIG	5W	MN
02:29	N4SO	599	KEN	5w	AL
02:30	N0UR	579	JIM	5W	MN
02:30	N1FN	559	ET	5W	CO
02:31	WS4S	589	CONRAD	4W	TN
02:32	K5LN	559	BILL	5W	TX
02:33	K5E0A	559	WAYNE	5W	LA
02:33	N9AW	559	GERALD	5W	WI
02:34	W9XU	559	LON	5W	WI
02:34	N2WW	559	LARRY	5W	CO
02:35	K4FB	559	PAUL	5W	FL
02:36	KK5LD	559	DAN	5W	TX
02:37	N0DHP	559	TOM	5W	CO
02:39	K5DI	579	KARL	5W	NM
02:40	KQ5U	559	TERRY	5W	TX
02:41	W5TB	559	DOC	5W	TX
02:42	K4BYF	559	JACK	5W	FL
02:43	N0DSP	559	TOM	5W	CO
02:44	K4NK	569	LES	5W	SC
02:45	WA50JE	559	DENNY	5W	TX
02:46	N5JI	559	RICH	5W	TX
02:47	NK7M	449	BOB	5W	AZ
02:48	K4BYF	559	JACK	5W	FL
02:49	AJ4AY	559	JAY	5W	AL
02:50	AF4LQ	579	MIKE	5W	KY
02:51	K5JHP	579	BILL	5W	TX
02:52	N5IW	559	DAVE	5W	TX
02:52	N0TU	559	STEVE	5W	CO

02:54	NQ7X	559 FLOYD	5W	AZ
02:56	N1TP	559 TOM	5W	FL
02:57	N5JI	559 RICH	5W	TX
03:01	K9IUA	559 NU 5W	ND	
03:02	WU9F	559 TERRY	5W	WI
03:03	N5EN	559 STEVE	5W	TX
03:04	N0AR	559 SCOTT	4W	MN
03:06	N5GLQ	569 MIKE	5W	LA
03:07	K0FRP	579 AL 5W	CO	
03:09	VE6JAZ	559 ROB	5W	AB
03:10	N0EHW	559 TIM	5W	MO
03:15	AC3A	569 SCOTT	5W	NY
03:16	W0PWE	599 JERRY	5W	IA
03:17	K4TJD	559 TOM	5W	GA
03:18	K7RE	559 BRIAN	5W	AZ
03:19	KJ0C	559 JIM	5W	MN
03:20	NV4V	559 PETE	5W	KY
03:21	K4BB	559 KEN	5W	KY
03:22	N5WL	559 BART	2W	OK
03:24	VE3FAL	599 FRED	5W	ON
03:33	K6VNX	559 ARLEN	5W	CA
03:33	KI0II	559 RON	5W	CO
03:35	WE7G	559 WAYNE	5w	UT
03:37	N6WG	559 BOB	5W	CA
03:38	KK6MC	599 JIM	5W	NM
03:39	VA6RF	559 EARL	5W	AB
03:40	K5JS	559 JOHN	5W	LA
03:41	W0CH	559 DAVE	5W	MO
03:41	WE6W	449 ED 5W	CA	
03:43	K7FD	559 JOHN	5W	WA
03:44	AB0CD	549 DICK	5W	CO
03:48	WA9PWP	589 PAUL	5W	WI
03:49	NK6A	559 DON	5W	CA
03:55	AA2PF	559 DAVE	5W	NY
03:57	AA7EQ	539 DAVE	5W	AZ
04:00	K2Q0	599 MARK	5W	NY

 Get your FREE download of MSN Explorer at <http://explorer.msn.com>

 Date: Wed, 20 Dec 2000 07:57:07 +0000
 From: "wd7y@pyramid.net" <wd7y@pyramid.net>
 To: QRP-L Members Talk <qrp-l@lehigh.edu>
 Subject: [86813] Traps info wanted
 Message-ID: <B66616D3.3A6%wd7y@pyramid.net>
 Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Is there anyone out there that has made a set of traps
that work for 10M.

Would you please be so kind as to pass along
the coil size and the capacitor size.

thanks Ed WD7Y

Date: Wed, 20 Dec 2000 11:00:59 EST
From: Shepherd@aol.com
To: <fpqrp-1@mpna.com>, <qrp-1@lehigh.edu>
Subject: [86814] OT: FP Truffle Hunts
Message-ID: <49.51a7999.277231bb@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hey all,
We have plenty of slots open if you want to be a Truffle!

We run from 0130-0200Z the same night as the QRP-1 Fox Hunts.

If you want to sign up, go to our site at:
http://www.mpna.com/fpqrp/pig_hunt.htm
check out what's open, and email me, i'll get you added to the list.

72, oo
Dan, N8IE
FPqrp #-6

Date: Wed, 20 Dec 2000 10:31:32 -0600
From: Mike <mmorrow@companet.net>
To: windal@azstarnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86815] Re: 136Khz results
Message-ID: <3A40DEE4.2ECA@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Walker wrote:

> For more information, a very good site that was sent to me by John
> (AE5X) is,
> <http://www.geocities.com/CapeCanaveral/Hall/8701/73khz.htm>
> and also worth checking out is <http://www.lwca.org/>

The Radio Society of Great Britain (RSGB) publishes a couple of excellent books on LF equipment and operation, by G3LD0. Details at:

http://www.rsgb.org/books/acatalog/RSGB_On_Line_Shop_Low_Frequency_43.html

I only own the "LF Experimenter's Sourcebook" (bought at Dayton), but I intend to locate the recently published "LF Experimenter's Handbook." Both are described at the URL above.

LF operations at 5 watts output into electrically short antenna systems will generally NOT fare very well on LF.

73,

Mike / KK5F

Date: Wed, 20 Dec 2000 10:39:38 -0600
From: Bcieslak@ra.rockwell.com
To: qrp-l@Lehigh.EDU
Subject: [86816] Spiral Loop?
Message-ID: <0F3BCEC758.C9F18F8C-0N862569BB.005B5C91@ra.rockwell.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

You don't think he was referring to the helix antenna that Jack Kraus w8jk did a lot of research on do you?
check out his book 'Antennas' or his psuedo biography, "the Big Ear"

Brian AE9K

Date: Wed, 20 Dec 2000 12:23:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [86817] Need OHR Spirit manual

Message-ID: <200012201223_MC2-BF64-620D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Does anyone have a spare manual for the OHR Spirit rig for 20 Metres? I
either never had one or have mislaid. Will be happy to reimburse for cos=
ts
of copying and mailing this item. Thanks and best wishes for happy
holidays.

72,
--Doc/K0EVZ

Date: Wed, 20 Dec 2000 11:50:16 -0600
From: "George, W5YR" <w5yr@att.net>
To: baltimoremd@baltimoremd.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86818] Re: OT-RF Display
Message-ID: <3A40F158.1EE75ED3@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's called an "amplifier."

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

baltimoremd@baltimoremd.com wrote:

>
> Back in pre-historic times when I ran a nove gallon, I used to use neon
> bulbs to "snoop" for RF.
>
> I'd like to build something to ignite a neon with QRP level rf. Any
> ideas? I'm thinking a L/C circuit with a short pickup lead.

Date: Wed, 20 Dec 2000 10:11:11 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [86819] Custom Warbler
Message-ID: <3A40F63F.9458466A@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

Well, I finally got my Warbler packaged up in a homebrew cabinet. I customized it by adding a small 1-Watt audio amplifier and speaker so I can monitor the band without having to constantly stare into the DigiPan waterfall. It works very well except there is a very loud "pop" when going from transmit to receive. I'm going to have to work on getting that fixed.

You can see some photographs of my Warbler on my web page at:
<http://www.psnw.com/~kd7s>

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Wed, 20 Dec 2000 10:17:47 -0500
From: Shelly Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [86820] Just the FAQs
Message-ID: <3A40CD9B.FEDE5265@uniserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there a FAQ on QRP?

Also what QRP books are recommended by the group?

Regards John/VE7CFG

Date: Wed, 20 Dec 2000 10:18:35 -0500
From: Shelly Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86821] Thanks
Message-ID: <3A40CDCB.4510E70E@uniserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to everyone for their input regarding my questions about
fluctuating SWR and lamp cord feeder.

Regards John/VE7CFG

Date: Wed, 20 Dec 2000 10:45:44 -0800
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86822] Re: K2Q0 Fox log...
Message-ID: <003901c06ab5\$0ff7d960\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WOW...there is a Santa Claus!! Fantastic...thanks Mark! You were definitely
a toughie for me last night...and you're right about the digital noise
coming in right after I worked you...it was 20 over nine here...

73, John K7FD

> Subject: Re: K2Q0 Log

> John,
>

> My mistake! While correcting the log, I thought I made a mistake and
> changed your state. It is corrected. Sorry.

>
> Mark

Date: Wed, 20 Dec 2000 18:38:37 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: qrp-l@lehigh.edu
Subject: [86823] [STATUS] K8IQY vs K7Q0 Building Contest
Message-ID: <5.0.2.1.0.20001220182048.00a20dd0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I can see by one or two posts that people are wondering and so here is a report.

I suggested that Jim and I have a friendly building contest and Doug Hendricks, KI6DS, got us the parts for the IA 10 QRP rig to build and comment on. But somehow I missed the start date on the contest because I did not get the email from Doug. As a result I was already two weeks behind to start with.

Then to top it off I posted to QRP-L a small snippet on matching crystals and Jim, K8IQY, sent me email that for matching crystals using a Pierce Osc which puts the crystal in a parallel resonant mode he found that the resulting crystal matches resulted in very poor filters. So I took some time to build several test jigs and several different crystal oscillators for testing a set of 50 crystals that Doug had sent with the parts. I also used the S&S Engineering Digital VFO, Steve "Melt Solder" Weber's Digital VFO, and AADE's VFO for some testing. As result of this experimentation I have a fairly lengthy article to be published somewhere after I do a couple of more oscillators and some more tests. This took a good part of last week and this.

And since Jim is doing spectrum plots I've been working on getting several spectrum analyzers setup to also plot the output from the oscillators and mixers. Gotta do what the competition is doing.....

Phyllis, my dear wife, fell and twisted her ankle during the last week in November.

I have been doing all that I could to keep her off her feet by my doing the shopping, some cooking, etc. You just don't realize what a blessing the significant other is until you have to do your stuff and theirs too. :-) Finally she went to the doctor on Monday of this week and found that she had indeed broken a bone and now has a cast for another two weeks.

So needless to say I'm behind and getting further behind. But there is no time

line
that I know of on this contest so everyone just be patience and relax while I
catch up.
Both Jim and I are pretty thorough and we aren't in any hurry that I know of. You
can
see from his postings on the web page that he is also doing quite a bit of
research on
this project and a heck of a lot of time spent in writing it up.

My ISP is still dinking around on getting Prescott AZ back online. Global
Crossing
is keeping us in the dark as to just what is going on and I'm kinda enjoying
staying
off the terminal anyway. So it is difficult for me to get pics online and will be
for some undetermined time yet to come.

I just finished up spending a lot of time on a mirror building course this
semester for Yavapai
College here locally working with two other guys that are the developers of a new
system of getting perfect mirrors from stressing plate glass in a special way.
I had posted the search for a book and a bell jar for that work and am still
awaiting
the bell jar. But the class finished this week so some relief for a while.

Sorry again for the delay on my end but as I said there wasn't a rush on my part
and
still isn't. I'll have mine done just after the first of the millennium and
hopefully
the voting can begin. The first election of the next century..... :-)

FYI,

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com

Date: Wed, 20 Dec 2000 10:19:28 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [86824] Re: Yaesu FT 817 info wanted
Message-ID: <20001220101928.B8423@oz.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I had replied to the original question and a couple of folks sent their replies to me instead of the list. Here's another one:

----- Forwarded message from James Floyd <jkfloyd@earthlink.net> -----

Date: Wed, 20 Dec 2000 09:14:19 -0800
From: James Floyd <jkfloyd@earthlink.net>
To: nielsen@oz.net
Subject: Re: Yaesu FT 817 info wanted

Dear Bob: I have a new 817 and really love it. It definitely needs the collins filter on cw. Have been on psk31 with it and it works just fine. I measured the current drain and it is as follows: on receive with the volume turned down the drain is 355ma. The drain increases to over 450ma with the sound volume up. On transmit with 5 watts output the drain is over 2 amps on cw with an input of 13.5 volts dc from a regulated adjustable power supply. My collins filters are supposed to be into HRO this week!!!!!! The audio sound is very good on this machine. I have a FT100 which sound puny on the speaker. I also have an Icom 706 which sounds pretty good. The FT817 is extremely easy to use and is very intuitive in its operation re: the software. Kermit kj6du

----- End forwarded message -----

--

Bob Nielsen, N7XY	nielsen@oz.net
Bainbridge Island, WA	http://www.oz.net/~nielsen

Date: Wed, 20 Dec 2000 13:58:54 -0500
From: Joe Street <jstreet@venus.uwaterloo.ca>
To: qrp-l@Lehigh.EDU
Subject: [86825] Re: OT-RF Display
Message-ID: <3A41016E.7EA81307@venus.uwaterloo.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have had no trouble illuminating fluorescent tubes held close to the top of my home brew small transmitting loops with 5 watts, but they produce very intense fields.
For a regular antenna I don't think it would work. Why not use a field

strength meter??

Using neon's to detect low power RF is a bit like trying to syphon water out of a lake.

VX0

Date: Wed, 20 Dec 2000 11:11:28 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>
Cc: GQRP <gqrp@onelist.com>
Subject: [86826] Elecraft News; New K1 & K2 Internal Pictures
Message-ID: <3A410460.18FC81F8@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

We have updated our news page at:
<http://www.elecraft.com/news.htm> (K1's are now shipping from stock.)

We have also added a new K1 Internal Picture Page at:
http://www.elecraft.com/K1/k1_internal_pictures.htm

This page has new internal pictures of the K1 and includes a link to N7TX's great K1 (and K2) step by step assembly pictures.

73, Eric WA6HHQ

--

<http://www.elecraft.com>

Date: Wed, 20 Dec 2000 11:36:14 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: <somerville@uniserve.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86827] Re: Just the FAQs
Message-ID: <006401c06abc\$1eafaf80\$8a2079a5@fkxug>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John,

A good QRP primer is:

Low Power Communications, The Art and Science of QRP. This is published by the ARRL

This book helped kindle my QRP interest.

73, Tracy
W7TRX

----- Original Message -----

From: Shelly Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 20, 2000 7:17 AM
Subject: Just the FAQs

> Is there a FAQ on QRP?
>
> Also what QRP books are recommended by the group?
>
> Regards John/VE7CFG
>
>
>

Date: Wed, 20 Dec 2000 19:38:03 -0000
From: "Kenneth Evans" <w4du@bellsouth.net>
To: "QRP-1 Discussion" <qrp-1@Lehigh.EDU>
Subject: [86828] PSK-31
Message-ID: <006c01c06abc\$5f3d9080\$01010101@evansk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Im trying to get in PSK 31 using Digipan 1.5. I have a Compaq laptop model 5100 that runs Windows NT. When I start Digiapn, I get a message that says: Sound Blaster card is already in use or does not exist". As a result, I can never set levels for rx or tx. There is a sounblaster on this laptop, but for some reason the application either is not seeing it, or cannot find it. Any help would be appreciated.

Ken

W4DU

ARRL-Life G-QRP NOGA NORCAL QRPARCI

Date: Wed, 20 Dec 2000 15:10:45 EST
From: Shepherd@aol.com
To: <fpqrp-1@mpna.com>, <qrp-1@lehigh.edu>
Subject: [86829] Cub Fox Log: N8IE v1.1.1
Message-ID: <b2.ee1f325.27726c54@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Just a name change.

I tried to get Steve, N0TU to change his name to Tom, but he would not.

Time	Call	Rec	Snt	St	Name	Pwr
0203	k9iua	559	449	nd	kevin	5w
0204	w5yr	559	559	tx	geo	5w
0206	w0ch	559	559	mo	dave	5w
0208	k0evz	559	559	nd	doc	5w
0207	kc1fb	559	559	ct	jim	5w
0210	k0evz	559	559	nd	doc	5w dupe
0215	n4so	559	559	al	ken	5w
0217	aj4ay	559	449	al	jay	5w
0220	n5ib	559	559	la	paul	5w
0221	n5ze	559	559	tx	lou	5w
0223	aa3ur	559	559	pa	dave	2w
0228	w3pnl	559	559	pa	joe	3w
0233	n1odl	559	449	nh	aron	5w
0234	n0tu	559	569	co	steve	5w
0237	w9wis	559	559	wi	mike	5w
0242	af4ps	339	559	fl	mac	4w
0245	w5usj	559	559	tx	chuck	3w
0246	k4fb	559	559	fl	paul	5w
0254	nv4t	569	559	fl	bill	5w
0257	kk5ld	559	559	tx	jim	5w
0305	kk5ld	559	559	tx	dan	5w
0308	k0ii	559	449	co	ron	1w
0317	ac5ii	559	449	tx	don	5w
0320	n8var	599	589	oh	ron	5w
0324	8p9bm	559	449	barbados	alan	50w 7.141.6
0330	k5dw	559	559	tx	don	5w
0334	wd5cma	559	449	la	gloria	5w
0340	w8pig/4	559	559	fl	mac	4w
0343	k4lk1	599	559	fl	paul	500mW

0346 k4byf 599 449 fl jack 5w
0359 n0ss 559 559 mo tom 5w

Date: Wed, 20 Dec 2000 12:14:22 -0600
From: w0av@juno.com
To: brian@iquest.net
Cc: qrp-1@Lehigh.EDU
Subject: [86830] Re: Christmas Day Beacon Reminder
Message-ID: <20001220.145417.-422691.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Fellers,

The most-used (well almost) four letter words for the last month of so
were GORE and BUSH, or for the past weeks, SNOW.

Sorry about that.

72/73/74 de George/W0AV
SOC#101

Date: Wed, 20 Dec 2000 12:41:38 -0800
From: "Mont Pierce" <MyGrapeVine@yahoo.com>
To: <kd7s@psnw.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [86831] Re: Custom Warbler
Message-ID: <005601c06ac7\$3bdc3fa0\$27010101@RTA>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now all you need is a mode switch (CW/PSK) and a key input jack
(and maybe some kind of oscillator), and you'll have another CW QRP
RIG. :)

73,
km6wt

----- Original Message -----
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 20, 2000 10:11 AM
Subject: Custom Warbler

> Friends,
>
> Well, I finally got my Warbler packaged up in a homebrew cabinet. I
> customized it by adding a small 1-Watt audio amplifier and speaker so I
> can monitor the band without having to constantly stare into the DigiPan
> waterfall. It works very well except there is a very loud "pop" when
> going from transmit to receive. I'm going to have to work on getting
> that fixed.
>
> You can see some photographs of my Warbler on my web page at:
> <http://www.psnw.com/~kd7s>
>
> --
> -----
> Bill Jones - KD7S <><
> Sanger, California
> <http://www.psnw.com/~kd7s/>
> -----
>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 20 Dec 2000 15:21:03 -0600 (CST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-1@Lehigh.EDU
Subject: [86832] Coherent CW
Message-ID: <200012202121.eBKLL3Y27167@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't know if this is QRP-related, but I think it ought to be:

I've been looking into coherent CW (hereinafter referred to as CCW)
and I have some questions, and some comments. Skip to the bottom
of my post if you just want the questions. Or, if you're thinking
"Huh?...co-WHAT CW?" you might want to have a look here:

<http://www.qsl.net/dj7hs/download.htm>

It seems that CCW is not nearly as popular as I'd like, and that its popularity is limited to maybe a few niches (LF & moonbounce are the only two I've identified). I am at a loss to understand this low popularity, since it seems that CCW has so much to offer. I am surprised, specifically, that CCW hasn't caught on with QRP'ers, like PSK-31 has, for example.

I gather that part of the answer is that CCW, as first implemented, required some specialized hardware. I can easily understand why CCW might not have gained much popularity as long as the special hardware was needed.

Things have changed, though. CCW is now possible, I gather, with just about any reasonably stable transceiver and a modestly endowed computer.

Compared to other modes that have enjoyed more success (such as PSK-31), CCW can be implemented with simpler equipment. The computer doesn't need as much horsepower to pull off CCW, and the radio part of things can include CW-only equipment. (Homebrew QRP rigs, especially those with crystal control, ought to be good candidates?)

I'm toying with the idea of trying some CCW because the only antenna I can put up right now (a stealthy, under-the-eaves loop around the house) has turned out to be remarkably inefficient. With hours of calling CQ and answering CQ's, I've only managed two contacts, and both of those were cut short due to the other station's difficulty copying my signal (though I had them Q5 both times). Not infrequently, I listen to someone call CQ over and over again, and then, when I call them, they stop calling CQ. They don't answer me--but they don't go ahead and call CQ again, either. As frequently as this happens, I'm pretty sure it's a sign that they can hear me, but don't copy me comfortably enough for a QSO.

It seems to me that since people hear me, but have trouble copying me, I ought to be able to operate using CCW with great success. Well, OK...moderate success, at best, given that there are so few people out there doing it. :)

If you'd like more information about CCW, check this out:

<http://www.qsl.net/dj7hs/download.htm>

My questions:

--Why is CCW relatively unpopular?

--How effective is calling CQ CCW on 40 meters? Will there be anyone to talk to?

--What frequencies on 80, 40, 30 and 20 are popular for CCW?

--What is the most effective strategy for finding people to QSO using CCW?

--What general advice would you offer for someone who'd like to try some CCW?

Thanks in advance for any comments, suggestions or information!

73,
Jim WB5UDE

Date: Wed, 20 Dec 2000 16:22:01 -0500
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86833] sw40+
Message-ID: <3A4122F9.9B95972C@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all;

Finally got vac time and can throw some of my malfunctioning acquisitions and kits with problems.

My whining on rcv problem with an OHR dual bander 20 and 40 was a loose/cold solder joint on the rcv board - found by gently touching various components with a chopstick and when reoccurring used a dental probe(carefully= you can short things doing this)). resoldering the back did the trick.

the second problem with this rig was loss of audio or rf sensistivity by about 75%- intermittant- and also narrowed down with the same technique.

touching the ic lm358 seemed to get things back to normal. resolder buncha spots on the back and now it doesnt do anything, probing no help- so

ordered
new lm358 fm the shack. dang,,,,
The good news was my elmer radio the sw-40+..finished it and things
looked
great till I discovered the wrong resistor stuck in the middle of
things(found by
seeing what parts were left) spent a week trying to get it out, finally
used a drill
and meter to verify things went where they shud. added the offboard
pots
and connectors, and no receive/no xmit....dang....Well started at the
connector
and sure enuff a dead short...my big iron and the rg174 didn't
cooperate...
replaced and viola - I got great receive -- I'll try xmt tomorrow(lets
not push
it) my tn timer to the wisdom in the manual which stated "don't throw it
against
the wall if it doesn't work" time to troubleshoot. glad I took the
advice.
The learning continues.....Jim KW3U

Date: Wed, 20 Dec 2000 13:40:55 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86834] Spotting DX via the internet
Message-ID: <20001220214055.17464.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I must admit that I take advantage of the DX Cluster
(VE3SUN) software (internet based) to help me spot DX
at times. In the spirit of the season I admit my
guilt, :) and want to tell you all about this
excellent FREE ham radio tool.

Get a free copy. <http://www.benlo.com/dxmon.html>

Besides spotting DX near "real time", it shows gray
line, Solar numbers, does computer clock up-date, find
beam headings to any DX, sets skeds with alarm, & it
plots paths on any chosen freq. on 2 kinds of maps you
can choose from.

You can send in you spots as you make them, and maybe

help another QRP stn get more calls by "spotting"
their call & frequency on the DX Cluster.

In a tight contest, its not much help at QRPP levels.
And not proper to use the cluster in some contests.

But I have been able to use it to look for rare DX in
any contest. Once you find that "rare one" you can sit
and wait for an opening, and have a shot or two in the
clear as long as you are game to sit tight.

During the week before a major DX CW contest, (RTTY &
SSB too) the DX guys are setting up and making QSO's
with few callers. This is one of my favorite "tricks".
Use the cluster to find them, as you do other on-line
stuff.

But wait! There's more! If you are quick to spot a new
DXCC on the cluster prior to the contest you can try
to call them with super low power when in the clear!

In a 5 or 10 min slot when some rare DX is CQ'ing on
10M with no callers (b4 the contest) I totally enjoy
trying ridiculously low power like 7mW Hi Hi!!

What the heck, if you dont bag them at 7mW you can
always remove some attenuation and try at 15mW! Or
750mW, or whatever it takes.

I do ALLOT of dial twisting, and make 80-90% of my
DXCC's that way. But you can plainly see how something
like the DX Cluster via internet, or packet can REALLY
ADD to the fun at certain times.

BTW, my quest for milliwatt DXCC is up-dated on my
webpage, at the URL listed in my signature. As is my
mW WAS adventure of 1999.

72's de Jim KJ5TF
"All Milliwatts, All The Time"

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

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Date: Wed, 20 Dec 2000 16:49:24 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jona1.net, qrp-1@lehigh.edu
Subject: [86835] NEQRP WQ1RP CW Net, Thursday, 21 Dec, 9:00 PM EST, 3.561MHz
Message-ID: <3A412963.F3767978@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's CW net will meet again on Thursday night, 21 December, at 9:00 PM EST (0200Z, 22 Dec). The 80M net will meet on or around 3.561MHz. Net control op will be Chuck, K1CL, operating from Chelmsford, MA.

Conditions on 80M the last day or two have been very noisy, due to a snow storm passing through the region. However, we're hoping for much better conditions Thursday night.

So, relax a little before before jumping into the fox fray, stop by and say hello to the gang on 80M -- then, after the initial crowd thins out a bit, go for the fox.

Jim, W1PID, was net control op for last week's net on 40M. Jim reported: "Last Thursday's net was pretty meager [3 check-ins]. Band was very long and pretty noisy. I'm not keen on the 7035 freq. It's pretty busy. Rather go to 7039 to above to 7043 and up. best, Jim"

72 DE K1CL,
Chuck.

Date: Wed, 20 Dec 2000 17:05:06 -0500
From: "Tom's mail" <n1tp@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86836] FOX - Change of call signs
Message-ID: <000901c06ad0\$eeef43ee0\$538d4d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All Hounds (and FOXES) who change their call signs during the QRP-L hunting season should notify N1TP and N1FN of the change.

This is to try to insure that your pelt total is reflected under your new call sign and to avoid the dreaded "Bifurcated Hound."

Tom, N1TP

Date: Wed, 20 Dec 2000 14:04:06 -0800 (PST)
From: Jerry Felts <nr5a@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [86837] Sierra Kit - For Sale
Message-ID: <20001220220406.2367.qmail@web3404.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For Sale: Sierra kit unbuilt - \$200

Kit has not been built, only opened and looked at.
Comes with band module for 30M.

Reason for selling just getting back into ham radio after a long peroid of not being on the air. Ordered the Sierra got it, then found out about the Yaesu FT-817. I'd rather have the Yaesu!

Thanks

Jerry -- NR5A in SD

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<http://shopping.yahoo.com/>

Date: Wed, 20 Dec 2000 02:19:23 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [86838] Another WAS

Message-ID: <20001220.221910.-382931.0.wd3p@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Gang,

I just got to checking the log last night and realized I'd done WAS a new way. This time it was working mobiles in every state while I was running QRP. I picked up the last state when I was mobile myself last October while on a trip to TN. The last state was, surprise, NJ.

Now it is time to get serious about getting WAS from the mobile while running QRP - I need only seven more for that one.

73 de Larry.....WD3P in MD

<http://www.qsl.net/wd3p>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 20 Dec 2000 17:43:16 -0500

From: "Victor Blackwell" <victor@brecnet.com>

To: <kj5tf@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [86839] Re: Spotting DX via the internet

Message-ID: <001b01c06ad6\$3ec33520\$575730d1@victor>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thanks for the Christmas present.

Vic AD8K

-

>I must admit that I take advantage of the DX Cluster
>(VE3SUN) software (internet based) to help me spot DX
>at times. In the spirit of the season I admit my
>guilt, :) and want to tell you all about this
>excellent FREE ham radio tool.

>

>Get a free copy. <http://www.benlo.com/dxmon.html>

>

>Besides spotting DX near "real time", it shows gray
>line, Solar numbers, does computer clock up-date, find
>beam headings to any DX, sets skeds with alarm, & it
>plots paths on any chosen freq. on 2 kinds of maps you
>can choose from.
>You can send in you spots as you make them, and maybe
>help another QRP stn get more calls by "spotting"
>their call & frequency on the DX Cluster.
>
>In a tight contest, its not much help at QRPP levels.
>And not proper to use the cluster in some contests.
>
>But I have been able to use it to look for rare DX in
>any contest. Once you find that "rare one" you can sit
>and wait for an opening, and have a shot or two in the
>clear as long as you are game to sit tight.
>
>During the week before a major DX CW contest, (RTTY &
>SSB too) the DX guys are setting up and making QSO's
>with few callers. This is one of my favorite "tricks".
>Use the cluster to find them, as you do other on-line
>stuff.
>
>But wait! There's more! If you are quick to spot a new
>DXCC on the cluster prior to the contest you can try
>to call them with super low power when in the clear!
>
>In a 5 or 10 min slot when some rare DX is CQ'ing on
>10M with no callers (b4 the contest) I totally enjoy
>trying ridiculously low power like 7mW Hi Hi!!
>
>What the heck, if you dont bag them at 7mW you can
>always remove some attenuation and try at 15mW! Or
>750mW, or whatever it takes.
>
>I do ALLOT of dial twisting, and make 80-90% of my
>DXCC's that way. But you can plainly see how something
>like the DX Cluster via internet, or packet can REALLY
>ADD to the fun at certain times.
>
>BTW, my quest for milliwatt DXCC is up-dated on my
>webpage, at the URL listed in my signature. As is my
>mW WAS adventure of 1999.
>
>72's de Jim KJ5TF
>"All Milliwatts, All The Time"
>
>=====

><http://www.madisoncounty.net/~kj5tf/>
>Milliwatting Editor ARCI QRP Quarterly
>Join/renew membership QRP Amateur Radio Club International
><http://www.qrparci.org/arcijoin.html>
>AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
>Private email kj5tf@madisoncounty.net
>
>-----
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><http://shopping.yahoo.com/>

Date: 20 Dec 00 18:06:12 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-1@LeHigh.EDU
Subject: [86840] new Kenwood radio?
Message-ID: <20001220230612.3432.qmail@aw163.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I was mobile on Friday and worked a W6 (in a pileup) who claimed to be using a new Kenwood rig that is like the new Yaesu. =

HF/VHF/UHF, battery powered, small and portable. etc. =

ten meters was folding up and I missed the product designation. Anyone know anything about this radio? =

mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Wed, 20 Dec 2000 15:23:17 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86841] Re: new Kenwood radio?
Message-ID: <012e01c06adb\$d65ee820\$8a2079a5@fkxug>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Michael Goins <mgoins@usa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 20, 2000 3:06 PM
Subject: new Kenwood radio?

> I was mobile on Friday and worked a W6 (in a pileup) who claimed to be
using a
> new Kenwood rig that is like the new Yaesu.
> HF/VHF/UHF, battery powered, small and portable. etc.
> ten meters was folding up and I missed the product designation. Anyone
know
> anything about this radio?

Mike,

I believe it is called the BS-817, (hi hi).

Maybe the guy was just jerking your chain. I hope it is true. I'd like to
see Icom throw their hat into this niche also. I'm not so glued to the QRP
designation however. I run SSB and would much rather see a C or D cell
battery pack and a much more practical 10-20 watts output. Hey, A guy can
dream can't he?

Happy Holidays.

Tracy, W7TRX

>
> mike
> wb5yjx
>
> _____
> Get free email and a permanent address at <http://www.amexmail.com/?A=1>

Date: Wed, 20 Dec 2000 18:31:38 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [86842] W/R ANTENNA

Message-ID: <20001220.183340.-228849.1.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

hIGH y'all

u never guess what I done did last nite... I worked New Zeland on forty fone... ssb type fone... about 3am eastern times...

went up to 7235 for someone who needed maine fer was and I heard the ZL... what waz better ... HE HEARD ME... NOW i DONE CROSSED two ponds on forty meters...with me little ole wire beam... peaux news for dat loop... it gonna get set back even meaux...

sumthin crazy done happened to me computing... we had some lightnin up heah the other nite and something on the sound card musta reset it self... and iffin it don't straighten itself up quick ... it gonna go out with the christmas wrappings... messing with my sstv operations an't smart for long jevity...I'll tell u man...

Oh, the wind ban up to 50 mph + up heah and my little rope and wire just jiggle and wiggle and throw the rf out... no tower to give any bother... and the twinlead just do the shimmy in the wind...

Did I mention we got serious ice and my car done slid from the center of the driveway to halfway down the hill whare there an't no driveway... whatta ride... gonna get some sand and salt on the driveway in the morning and then tie the car to the truck and tote it back up the hill... yankee country, bad as sink holes in florida...but not as hard as voting democratic in fla..... hee hee

bye now

ke1la joel

in maine

in pain and freezin

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 20 Dec 2000 19:13:12 -0500 (EST)

From: baltimoremd@baltimoremd.com

To: Joe Street <jstreet@venus.uwaterloo.ca>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [86843] Re: OT-RF Display

Message-ID: <Pine.BSI.4.05L.10012201911590.12000-1000000@vh1.min.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 20 Dec 2000, Joe Street wrote:

